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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/315,247	05/20/1999	DAVID R. THOMAS	TIF-26270	6271	
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TEXAS INSTRUMENTS INCORPORATED			BRINICH, STEPHEN M		
P O BOX 6554 DALLAS, TX			ART UNIT	PAPER NUMBER	
,		•	2624		
			DATE MAILED: 05/13/200	DATE MAILED: 05/13/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application No. Application No. Application No. Grant Horizon Grant				
Examiner Art Unit 2624		Application No.	Applicant(s)	
Stephen M Brinich 2624	Office Action Summany	09/315,247	THOMAS, DAVID R.	
- The MALING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. Sendenciose of time may be available under the provision of 3 CFR 1.13(s). In no event, however, may a reply be timely filled sendenced by the many and the provision of 3 CFR 1.13(s). In no event, however, may a reply be timely filled in the provision of the provision of 3 CFR 1.13(s). In no event, however, may a reply be timely filled in the provision of the provis	Office Action Summary	Examiner	Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Esterations of time may be available under the provisions of 37 CFR 1-134(s). In no event, however, may a reply be timely filed Esterations of time may be available under the provisions of 37 CFR 1-134(s). In no event, however, may a reply be timely filed Esterations of time may be available under the provisions of 37 CFR 1-134(s). In no event, however, may a reply be timely filed Esteration of timely specified above, the maximum statutory period will apply and will expire SIX (s) MONTHS from the mailing date of this communication. Failur to require within the statutory within the set of sected period for legitly site in the mailing date of this communication, even if filed (S) U.S. C, § 130). Failur to require within the set of sected period for legitly will, y statuke, cause the application to exceed a NANOENGE (S) U.S. C, § 130). Failur to require yield within the set of sected period for legitly will, y statuke, cause the application, even if filed (S) U.S. C, § 130). Failur to require yield within the set of setting the mailing date of this communication, even if filed (S) U.S. C, § 130). Failur to require yield the mailing date of this communication, even if filed (S) U.S. C, § 130). Status 1) Responsive to communication(s) filed on 1/31/05. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merrits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1,3-8,10-16,18-27 and 29 is/are pending in the application. 4) Claim(s) 1,3-8,10-16,18-27 and 29 is/are rejected. 7) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 8) Claim(s) is/are allowed. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. 10) The drawing(s) filed on is/are: a) a			<u> </u>	
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CPR 1.3de). In no event, however, may a reply be timely filled after SIX (8) MONTIST from the mailing date of this communication. If the prodict or may be seen as the seen that mick (20 days, are right) within the statutory minimum of thirty (30) days will be considered timely. Failure to reply within the set or estanded period for reply with by the statutory minimum of thirty (30) days will be considered timely. Failure to reply within the set or estanded period for reply will, by statute, cause the application to become ABANDONED (38 U.S. C. § 133). Any reply received by the Office set their there members after the mailing date of this communication. Experiment patient term adjustment. Set 37 CFR 1.7de(b). Status 1) Responsive to communication(s) filled on 1/31/05. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.3-8.10-16.18-27 and 29 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. Claim(s) 1.3-8.10-16.18-27 and 29 is/are rejected. 7) Claim(s) is/are allowed. Claim(s) 1.3-8.10-16.18-27 and 29 is/are rejected. 7) Claim(s) is/are allowed. Replacation Papers 9) The specification is objected to by the Examiner. Applicant may not request that any objected to the drawing(s) be held in aboyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No		ppears on the cover sheet with the c	correspondence address	
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Art Unit: 2624

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- Claims 1, 3-8, 10-16, 18-27, & 29 are rejected under 35
 U.S.C. 103(a) as being unpatentable over Omura et al in view of Applicant's admitted Prior Art.

Re claims 1, 4, 6-8, 10-11, 13-16, 19, 21-26, & 29, Omura et al discloses (pages 889-892) a system for generating a virtual image in which the extent of the virtual image is divided into a plurality of regions each defining a focal plane, and one region (e.g. the "distinct large cube" of Figure 5(b)) is selected (and thus predetermined before the start of processing) by an observer as the region being actively observed. The image regions are recombined such that the selected region is sharp and the other regions are blurred in accordance with their respective distances from a reference point on the selected region's focal plane. Thus, images having a greater focal plane distance from the selected object are blurred more (page 891, column 1, second paragraph).

Re claims 3 & 18, the selected image of Figure 5(b) is a foreground object.

Art Unit: 2624

Re claims 5 & 20, the object selection is based on object position (via detection of the user's gaze direction and comparing this direction with the location of the object).

Re claims 12 & 27, Omura et al discloses the use of the image generating system for artificially generated computer graphics images (page 891, column 1, first paragraph) and teleconferencing images from a caller captured by a video camera at the caller's site (page 889, column 1, second paragraph).

Omura et al discloses the use of this system for generating binocular stereoscopic images for a "teleconferencing system that allows users at different locations to communicate as if they were talking face to face" (page 889, column 1, lines 1-19). However, Omura does not specify the means by which binocular stereoscopic images of users at different locations are acquired and provided to the virtual image generator at each teleconferencing location. The generation of a video images consisting of image frames to provide binocular stereoscopic images is described as known Prior Art by Applicant (page 2, lines 17-23). The use of video images consisting of frames as the format of the images used in Omura et al would be an expedient obvious to one of ordinary skill in the art.

Page 4

Art Unit: 2624

Response to Arguments

Applicant's arguments (Response filed 1/31/05, page 9, line 3. 7 - page 17, line 5) fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. Each of Applicant's points of argument consists of a statement of a claim element and an assertion that it is not taught or suggested by the art of record, without specifically addressing Examiner's reading of the art of record on the claim element in question.

Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Page 5

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 571-272-7430. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 571-272-2600 or to the USPTO Contact Center at 800-786-9199 or 703-308-4357.

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 571-272-7437.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9306.

Application/Control Number: 09/315,247

Art Unit: 2624

Page 6

Hand-carried or courier-delivered correspondence pertaining to this application should be directed to

US Patent and Trademark Office 220 South 20th Street Crystal Plaza Two, Lobby, Room 1B03 Arlington VA 22202

> Stephen M Brinich Examiner Art Unit 2624

smb **Sm/3** April 18, 2005

LIMARY EXAMINER